

# Converting Colors

CIELCh(42, 18.048, 345.317)

Have a look what the booklet for  
CIELCh(42, 18.048, 345.317)  
contains.

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**Color**

**CIELCh(42, 18.048, 345.317)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C596B
RGB	124, 89, 107
RGB Percent	49%, 35%, 42%
CMY	0.5136, 0.6508, 0.5803
CMYK	0.00, 0.28, 0.14, 0.51
HSL	329°, 16%, 42%
HSV	329°, 28%, 49%
XYZ	14.5478, 12.5000, 15.5650
YIQ	101.5170, 15.0820, 13.0180

# Conversions

## Conversions Part 2

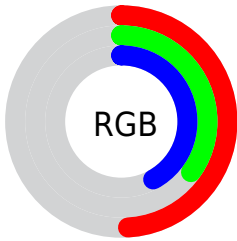
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 89, 107
Decimal	8149355
CIE Lab	42.00, 17.46, -4.57
CIE LCh	42, 18.048, 345.317
Yxy	12.5000, 0.3414, 0.2933
Android (android.graphics.Color)	4286339435 (0xFF7C596B)
YUV	101.5170, 2.7031, 19.7176
Hunter-Lab	35.3553, 11.5764, -1.3534

# Details

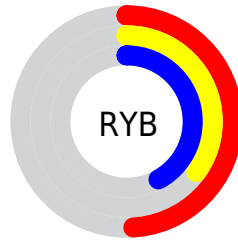
The CIELCh color  $42, 18.048, 345.317$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $49, 17.493, 160.451$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 18.131, 345.514$ , and  $22, 17.866, 344.581$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 24.472, 346.387$ , and if you desaturate by 10%, it is  $45, 11.573, 344.364$ .

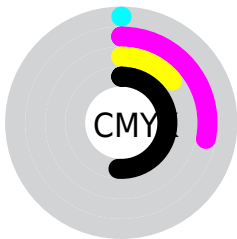
# Distribution



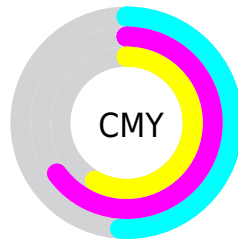
- Red (49%)
- Green (35%)
- Blue (42%)



- Red (49%)
- Yellow (35%)
- Blue (42%)



- Cyan (0%)
- Magenta (28%)
- Yellow (14%)
- Black (51%)




- Cyan (51%)
- Magenta (65%)
- Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.048, 345.317 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 42, 18.048, 345.317 by changing the saturation by 10% instead.





 42, 18.048,  
345.317


 42, 18.048,  
345.317


 100, 18.048,  
345.317


 32, 18.048,  
345.317

 62, 18.048,  
345.317


 22, 18.048,  
345.317

 72, 18.048,  
345.317


 12, 18.048,  
345.317


 82, 18.048,  
345.317

 2, 18.048, 345.317

 92, 18.048,  
345.317

 0, 18.048, 345.317

 42, 18.048,

 42, 18.048,

345.317

39, 24.472,  
346.387

36, 30.678,  
347.610

33, 36.428,  
349.040

30, 41.431,  
350.755

28, 45.384,  
352.858

27, 48.052,  
355.482

26, 49.702,  
358.589

26, 50.013,  
359.136

345.317

45, 11.573,  
344.364

49, 5.167, 343.482

53, 1.100, 163.017

56, 7.188, 162.088

60, 13.080,  
161.414

64, 18.772,  
160.799

68, 24.267,  
160.230

71, 29.577,  
159.700

75, 34.712,



# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42, 18.048, 345.317



49, 17.493, 160.451

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42, 18.048, 345.317



42, 18.048, 35.317



42, 18.048, 165.317



42, 18.048, 215.317

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42, 18.046, 345.319



63, 6.215, 343.479



41, 22.337, 309.812



32, 4.458, 343.594



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 18.046, 345.319



51, 26.911, 346.008



41, 15.477, 20.281



24, 3.506, 343.555



26, 50.273, 359.168



54, 84.173, 1.537



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 18.046, 345.319



51, 26.911, 346.008



49, 12.967, 196.528



24, 3.506, 343.555



26, 50.273, 359.168

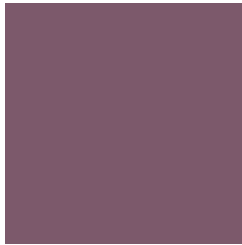


54, 84.173, 1.537



# Previews

## White Background



This preview shows how the CIELCh color 42, 18.048, 345.317 looks on a white background.

## Color Contrast Check

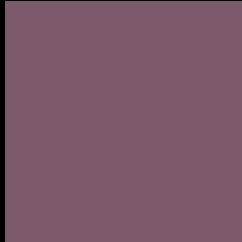
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 42, 18.048, 345.317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

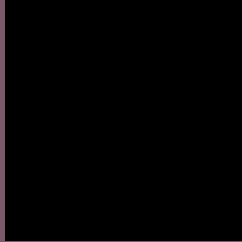
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 42, 18.048, 345.317**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 42, 18.048, 345.317.



This preview shows how white text looks on a background with the CIELCh color 42, 18.048, 345.317.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
42, 18.048, 345.317

**Protanopia**  
42, 8.477, 286.133

**Deuteranopia**  
42, 7.338, 324.906





**Tritanopia**  
42, 14.319, 4.480

# Trichromacy



**Original Color**  
42, 18.048, 345.317

**Protanomaly**  
42, 10.869, 317.868

**Deuteranomaly**  
42, 11.414, 337.595

**Tritanomaly**  
42, 15.423, 356.382

# Monochromacy



**Original Color**  
42, 18.048, 345.317

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 6.870, 342.505

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 18.048, 345.317 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(124, 89, 107)` looks like.

```
.text, #text, p{  
    color:rgb(124, 89, 107)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(124, 89, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 89, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 18.048, 345.317 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 89, 107) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(124, 89, 107) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(124, 89, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 89, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 89, 107);  
box-shadow:4px 4px 4px 4px rgb(124, 89,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 18.048, 345.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 89, 107) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(124, 89,  
107) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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